

UNITED STATES DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration NATIONAL MARINE FISHERIES SERVICE Northeast Fisheries Science Center 166 Water Street Woods Hole, MA 02543-1026

August 21, 2007

MEMORANDUM FOR:

AIS Observers

FROM:

Amy Van Atten

Acting Branch Chief, FSB

SUBJECT:

Haddock Rope Trawl

This memo is intended to clarify and specify how to complete the Trawl Gear Characteristics Log for the Haddock Rope Trawl, previously called the Eliminator Trawl. As of August 13, 2008 this net will be an alternative to the Haddock Separator Trawl, in the Regular B DAS Program and Eastern U.S./Canada Haddock Special Access Programs.

Background

Framework 40-A was developed in Amendment 13 to provide additional opportunities for NE multispecies vessels to target healthy fish stocks in an attempt to achieve optimum yield from the fishery. The Haddock Separator Trawl was developed and approved in 2006, to allow fishing in otherwise closed areas, as it was shown to target haddock and exclude cod.

The Haddock Rope Trawl won the 2007 smart gear competition and recently gained NMFS approval to be used in the US/Canada management area. This net uses large meshes (> 7.9 ft) in the forward part to allow fish escapement. Obtaining accurate data on this net are important since observer data will be analyzed to determine efficiency and selectivity of this net.

The Trawl Gear Characteristics Log

Several sections of the Trawl Gear Characteristics Log will need special attention when recording data for this net. Any comments you or the captain can provide will be very helpful for future gear log modifications. The Net Type will be recorded as "Haddock Rope Trawl 4-Seam" (not currently on your net type cheat sheet). Kites will be used therefore the number of panels and size of panels should be recorded.

NEFOP Memo 08-015 (Page 1 of 5)

The fishing circle fields may cause some confusion because of the extremely large meshes located on the bottom of the fishing circle and the smaller meshes on the top. The protocol states to record the total number of meshes and the size of the largest mesh in the fishing circle. Any additional information the Captain can provide regarding the fishing circle mesh number and size of mesh should be recorded in the comments section (see figure 4). For the escape outlet section, **Yes**, should be checked as the large meshes in the fore part of the net will be considered an escape outlet. The *Escape Outlet Type field* should be recorded as 1, (Panel). The *Escape Outlet Mesh Size* (recorded in inches), is the size of the largest mesh directly behind the sweep (these meshes will be larger than 95 inches). The *Escape Outlet Length Field* should be recorded as the total number of large meshes behind the sweep in the fore/aft direction of the net. *Escape Outlet Width* is preferred to be recorded as the number of meshes along the sweep, which runs from one side of the net to the other. The captain may not know this mesh count, in which case the length of the sweep, in whole inches, can be recorded. *Shape Type Code* should be recorded 01, the code for rectangular. *Location Type Code* should be recorded as 2, (Net Bottom).

Fields Summarized:

Net Name = Bottom Trawl

Net Type = Haddock Rope Trawl (4-Seam)

Kite Panel = Yes (see figures) Definition = A flat structure, usually semi-flexible used to modify the shape of trawl and mesh openings by providing lift when a trawl is moving through the water

Number = Record the total number of panels in the kite (generally will be 3)

(Note: A Kite can consist of multiple panels)

Width = Record in whole inches the width of each individual panel, from captain Length = Record in whole inches the length of each individual panel, from captain (Note: entire size of the kite (all panels together) should be a minimum of 29.1 sq. ft)

Fishing Circle – Circumference of net at the narrow, aft end of the square of the net

Meshes = Record the number of meshes around net (obtained from captain).

Mesh Size = Record the size, in whole inches, of the largest mesh in the fishing circle

(Note: Any information the captain can provide about the size and number of meshes in this fishing circle should be commented on. There are going to be large meshes on the bottom of the fishing circle and smaller meshes on the top of the fishing circle).

Escape Outlet – An opening in the net to facilitate escapement of fish, sea turtles, marine mammals *etc.*) (see figures)

Escape Outlet Used = Yes Escape Outlet Type = Panel (1)

NEFOP Memo 08-015 (Page 2 of 5)

Mesh Size = Record (in whole inches) the size of largest mesh behind the sweep. This may be obtained from the Captain.

Length = Record, the number of the largest meshes behind the sweep in fore/aft direction of the net.

Width = Record the number of meshes along the sweep, if not known by captain record the length of the sweep in inches. (The sweep runs from one side of the net to the other) **Shape** = Record, 01 for rectangular

Location = Record code for Net Bottom (2)

Comment on any additional information the captain can provide about this escape outlet, such as number of large meshes in wings, or the mesh sizes as they taper toward the codend.

If you have any additional questions regarding this gear you can contact Tyler Staples at (508) 495 - 2129 or Katherine McArdle at (508) 495 - 2377. Thank You

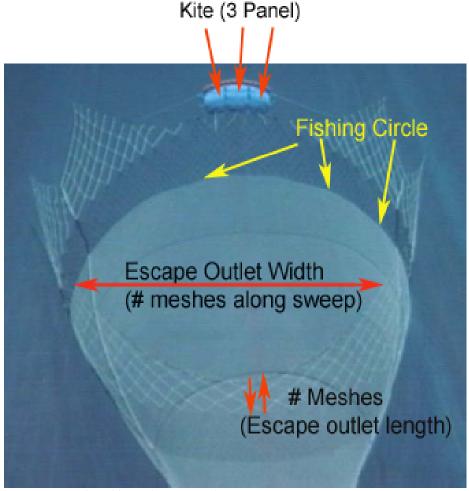


Figure 1. Top View, kite and escape outlet

NEFOP Memo 08-015 (Page 3 of 5)

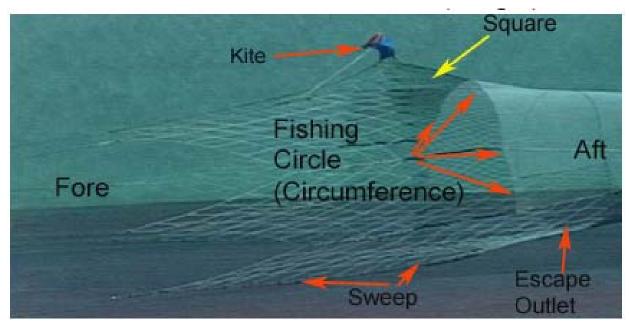


Figure 2. side view of net

Large Diamond Meshes (>7.9 ft)



Figure 3. large diamond mesh in escape outlet

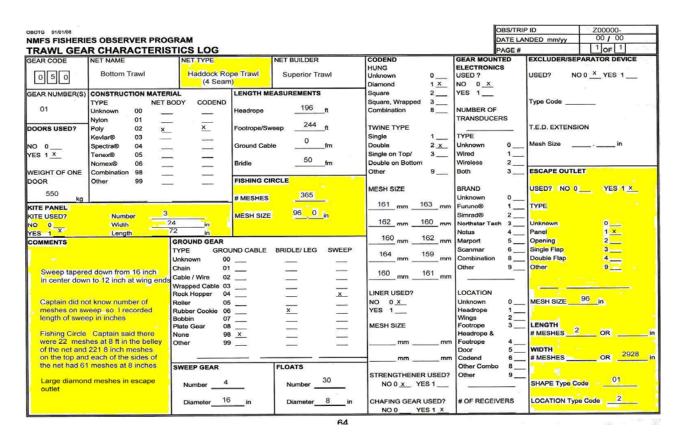


Figure 4. example of gear log for haddock rope trawl

NEFOP Memo 08-015 (Page 5 of 5)